

AMENDMENTS TO THE CLAIMS

1. (Cancelled)

2. (Previously Presented) The method of claim 7, wherein configuring further includes configuring for communication with the first host in accordance with the first transmission method provided no response to a packet transmitted via the second transmission method is received.

3. (Cancelled)

4. (Previously Presented) The method of claim 7, wherein receiving further includes configuring for communication with the first host in accordance with the second transmission method provided a response to a packet transmitted via the second transmission method is received.

5. (Cancelled)

6. (Cancelled)

7. (Currently Amended) A method for automatically sensing a transmission method in a network, the method comprising:

transmitting at least one packet to a first host via a first transmission method;

receiving from the first host a response packet to the packet transmitted via the first transmission method;

determining whether the first transmission method must be used;

if the first transmission method must be used, configuring for communications with the first host using the first transmission method using an address

from the response packet in accordance with the first transmission method;

if the first transmission ~~system~~method must not be used,

transmitting at least one packet to the first host via a second transmission method;

determining whether a response packet to the packet was received from the first host using the second transmission method;

if a response from the first host using the second transmission method was received, configuring for communication with the first host using the second transmission method using an address from the response packet in accordance with the second transmission method; and

if a response packet from the first host using the second transmission method was not received, configuring for communications with the first host using the second transmission method using an address from the response packet in accordance with the first transmission method.

8. (Previously Presented) The method of claim 7, wherein no response to a packet transmitted via the second transmission method is received.

9. (Original) The method of claim 8, wherein configuring comprises configuring for communication with the first host in accordance with the first transmission method.

10. (Previously Presented) The method of claim 8, wherein the response to a packet transmitted via the first transmission method comprises an address.

11. (Original) The method of claim 10, wherein configuring further includes configuring for communication with the first host using the address from the response.

12. (Previously Presented) The method of claim 7, wherein a response to a packet transmitted via the second transmission method is received from the first host.

13. (Original) The method of claim 12, wherein the response comprises an address.

14. (Previously Presented) The method of claim 13, wherein configuring further comprises configuring for communication with the first host using the address from the response.

15. (Original) The method of claim 13, wherein no response is received to a packet transmitted via the first transmission method.

16. (Original) The method of claim 15, wherein configuring comprises configuring for communication in accordance with the second transmission method.

17. (Previously Presented) The method of claim 7, wherein no response is received to a packet transmitted via the first transmission method.

18. (Original) The method of claim 17, wherein configuring comprises configuring for communication with the first host in accordance with the first transmission method, provided a response to a packet transmitted via the first transmission method is received.

19. (Original) The method of claim 18, wherein no response is received to a packet transmitted via the second transmission method.

20. (Original) The method of claim 19, wherein configuring comprises configuring for communication with the first host in accordance with the first transmission method.

21. (Previously Presented) The method of claim 7, wherein the first transmission method is the unicast transmission method.

22. (Previously Presented) The method of claim 7, wherein the second transmission method is the multicast transmission method.

23. (Previously Presented) The method of claim 7, wherein transmitting at least one packet to a first host via a first transmission method further includes transmitting a predetermined number of packets to the first host via the first transmission method, until a successful response is received from the first host.

24. (Previously Presented) The method of claim 7, wherein transmitting at least one packet to a first host via a second transmission method further includes transmitting a predetermined number of packets to the first host via the second transmission method, until a successful response is received from the first host.

25. (Currently Amended) A method for automatically sensing a transmission method in a network comprising a plurality of hosts, the method comprising:

transmitting by a first host at least one packet to a second host via a first transmission method;

receiving from the second host a response packet to the at least one packet transmitted via the first transmission method;

determining whether the first transmission method must be used;

if the first transmission method must be used, configuring the first host for communications with the first-second host using in accordance with

the first transmission method using an address from the response packet in accordance with the first transmission method;
if the first transmission ~~system method~~ must not be used,
transmitting by a first host at least one packet to a second host via a second transmission method;
determining whether a response packet to the at least one packet transmitted via the second transmission method was received;
if a response packet was received, configuring the first host for communication with the second host in accordance with the second transmission method using the address from the response packet from the second host, ~~provided the response to the packet transmitted via the second transmission method is received~~; and
if a response packet was not received, configuring the first host for communication with the second host in accordance with the second transmission method using an address from the response packet from the second host via the first transmission method.

26. (Original) The method of claim 25, wherein configuring further includes configuring the first host for communication with the second host in accordance with the first transmission method provided no response to a packet transmitted via the second transmission method is received.

27. (Original) The method of claim 25, wherein no response is received to a packet transmitted via the first transmission method.

28. (Original) The method of claim 27, wherein no response is received to a packet transmitted via the second transmission method.

29. (Original) The method of claim 28, wherein configuring comprises configuring the first host for communication with the second host in accordance with the first transmission method.

30. (Original) The method of claim 28, wherein configuring further comprises configuring the first host for communication with the second host using an available address.

31. (Original) The method of claim 25, wherein the first transmission method is the unicast transmission method.

32. (Original) The method of claim 25, wherein the second transmission method is the multicast transmission method.

33. (Cancelled)

34. (Cancelled)

35. (Currently Amended) A method for automatically sensing a transmission method in a network, the method comprising:

transmitting at least one first packet to ~~the~~ a first host in accordance with a first transmission method;

receiving from the first host, a second packet transmitted via a second transmission method,

wherein the second packet received from the first host contains an address;

responsive to determining that the second transmission method is not to be used,

configuring for communication with the first host in accordance with the ~~second~~ first transmission method using the address contained in the second packet received from the first host.

36. (Cancelled)

37. (Previously Presented) The computer readable medium of claim 42, wherein configuring further includes configuring for communication with the first host in accordance with the first transmission method provided no response to a packet transmitted via the second transmission method is received.

38. (Cancelled)

39. (Previously Presented) The computer readable medium of claim 42, wherein receiving further includes configuring for communication with the first host in accordance with the second transmission method provided a response to a packet transmitted via the second transmission method is received.

40. (Cancelled)

41. (Cancelled)

42. (Currently Amended) A computer readable medium containing instructions for automatically sensing a transmission method in a network, the method comprising:
transmitting at least one packet to a first host via a first transmission method;
receiving from the first host a response packet to the packet transmitted via the first transmission method;
determining whether the first transmission method must be used;
if the first transmission method must be used, configuring for communications with the first host using the first transmission method using an address from the response packet in accordance with the first transmission method;
if the first transmission ~~system~~ method must not be used,

transmitting at least one packet to the first host via a second transmission method;
determining whether a response packet to the packet was received from the first host using the second transmission method;
if a response packet from the first host using the second transmission method was received, configuring for communication with the first host in accordance with the second transmission method using an address from the response packet; ~~provided [[a]] the response to a packet transmitted via the second transmission method is received using the address from the response~~; and
if a response packet from the first host using the second transmission method was not received, configuring for communications with the first host using the second transmission method using an address from the response packet in accordance with the first transmission method.-

43. (Previously Presented) The computer readable medium of claim 42, wherein no response to a packet transmitted via the second transmission method is received.

44. (Original) The computer readable medium of claim 43, wherein configuring comprises configuring for communication with the first host in accordance with the first transmission method.

45. (Original) The computer readable medium of claim 44, wherein the response to a packet transmitted via the first transmission method comprises an address.

46. (Original) The computer readable medium of claim 45, wherein configuring further includes configuring for communication with the first host using the address from the response.

47. (Previously Presented) The computer readable medium of claim 42, wherein a response to a packet transmitted via the second transmission method is received from the first host.

48. (Original) The computer readable medium of claim 47, wherein the response comprises an address.

49. (Original) The computer readable medium of claim 48, wherein configuring further comprises configuring for communication with the first host using the address from the response.

50. (Original) The computer readable medium of claim 47, wherein no response to a packet transmitted via the first transmission method is received.

51. (Original) The computer readable medium of claim 50, wherein configuring comprises configuring for communication in accordance with the second transmission method.

52. (Previously Presented) The computer readable medium of claim 42, wherein no response is received to a packet transmitted via the first transmission method.

53. (Original) The computer readable medium of claim 52, wherein configuring comprises configuring for communication with the first host in accordance with the first transmission method, provided a response to a packet transmitted via the first transmission method is received.

54. (Original) The computer readable medium of claim 52, wherein no response is received to a packet transmitted via the second transmission method.

55. (Original) The computer readable medium of claim 54, wherein configuring comprises configuring for communication with the first host in accordance with the first transmission method.

56. (Previously Presented) The computer readable medium of claim 42, wherein the first transmission method is the unicast transmission method.

57. (Previously Presented) The computer readable medium of claim 42, wherein the second transmission method is the multicast transmission method.

58. (Previously Presented) The computer readable medium of claim 42, wherein transmitting at least one packet via a first transmission method, further includes transmitting a predetermined number of packets to a first host via a first transmission method, until a successful response is received from the first host.

59. (Previously Presented) The computer readable medium of claim 42, wherein transmitting at least one packet to the first host via a second transmission method further includes transmitting a predetermined number of packets to the first host via the second transmission method, until a successful response is received from the first host.